

CHAMP T 400

Inverter based DC welder



Suitable for Cellulosic Welding and long welding cables

Available in CE Marked version

Can be offered with VRD and/ or RCCB

CHAMP T 400 is a most reliable and dependable workhorse SMAW welding machine proven for a wide range of applications (which can also be used for TIG Welding by using external HF Unit). The Inverter based power source with Dual full bridge configuration and optimally designed DC Output Reactor enables welder to obtain the desired arc current with ease. The equipment has a rugged design, with reliable performance, superior arc characteristics and minimum maintenance requirements.

Salient Features

- Three phase inverter based, high efficiency and high-power factor DC Welder
- Suitable for Long distance welding and cellulosic electrodes
- Enhanced Reliability due to SMD technology
- Capable of Welding with all types of cellulosic electrodes including 6010, 7010G and 8010G
- Equipment can be offered with optional built-in VRD to reduce output OCV to safe level of 12 – 18 V DC during no – weld condition. The equipment can also be offered with input ELCB to provide 100% protection to welder even in humid conditions
- Suitable for Heavy duty Welding application.
- Arc force adjustment on panel.
- Light weight, compact and portable for easy handling
- Capable of Welding with long welding and return cables (100 meter + 100 meter)

Protections with auto reset:

- Input Supply Voltage protections for over and under voltage.
- Over Temperature.
- Protection against single phasing.

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TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	VALUE	UNIT
INPUT		
INPUT SUPPLY VOLTAGE, PHASE, FREQUENCY	415 V +15%, -10%; 3; 50 / 60	VOLTS AC, NO., HZ
MAX. INPUT KVA @ 415V SUPPLY	14 @ 100% DUTY CYCLE, 0.24 @ NO LOAD	KVA
POWER FACTOR	UPTO 0.93	λ
EFFICIENCY	≥ 85	%
OUTPUT		
OPEN CIRCUIT VOLTAGE	85 V ± 5	VOLTS DC
WELDING CURRENT RANGE	10-400	AMPS DC
WELDING CURRENT (AT 40°C, 10 MINUTE DUTY CYCLE)	400 @ 60% DUTY CYCLE, 310 @ 100% DUTY CYCLE	AMPS DC
GENERAL		
SUITABLE FOR WELDING ELECTRODE SIZE	2.5, 3.2, 4, 5 AND 6.3	MM Ø
ARC FORCE SETTING	ADJUSTABLE BY POTENTIOMETER	
CURRENT DISPLAY (SET CURRENT AND ACTUAL CURRENT)	3 DIGIT –7 SEGMENT DIGITAL PANEL METER	AMPS DC
INGRESS PROTECTION	IP23	RATING
COOLING	FORCED AIR	TYPE
INSULATION	H	CLASS
DIMENSIONS L X W X H	660 X 305 X 530	MM
WEIGHT (APPROX.)	40	KG

Warranty: One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorized Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.

In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.

Backed by dedicated customer care package.